

0 .	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT	
	International Application	
		<u> </u>
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92
<u> </u>	<u> </u>	(updated 01.11.2003)
0-5	Petition	*
•	The undersigned requests that the present international application be	
	processed according to the Patent	
0-6	Cooperation Treaty Receiving Office (specified by the	Japan Patent Office (RO/JP)
	applicant)	
0-7	Applicant's or agent's file reference	2003S00612
1	Title of invention	METALLIC MATERIAL FOR FUEL CELLS, FUEL
		CELL USING THE SAME AND METHOD FOR
		CELL USING THE SAME AND METHOD FOR PRODUCING THE MATERIAL
	Applicant	
II II-1	This person is:	
	1	PRODUCING THE MATERIAL
II-1	This person is:	PRODUCING THE MATERIAL applicant only
II-1 II-2	This person is: Applicant for	applicant only all designated States except US
II-1 II-2 II-4	This person is: Applicant for Name	PRODUCING THE MATERIAL applicant only all designated States except US JFE STEEL CORPORATION
II-1 II-2 II-4	This person is: Applicant for Name	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome,
II-1 II-2 II-4	This person is: Applicant for Name	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011
II-2 II-4 II-5	This person is: Applicant for Name Address:	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan
II-1 II-2 II-4 II-5	This person is: Applicant for Name Address: State of nationality	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP
II-1 II-2 II-4 II-5	This person is: Applicant for Name Address: State of nationality State of residence	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP
II-1 II-2 II-4 II-5 II-6 II-7 II-8	This person is: Applicant for Name Address: State of nationality State of residence Telephone No.	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440
II-1 II-2 II-4 II-5 II-6 II-7 II-8	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No.	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445
II-1 II-2 II-4 II-5 II-6 II-7 II-8 II-9	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor
II-1 II-2 II-4 II-5 II-6 II-7 II-8 II-9	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is:	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only
II-1 II-2 II-4 II-5 II-6 II-7 II-8 II-9 III-1 III-1-1	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only IDE, Shinsuke
II-1 II-2 II-4 II-5 III-6 II-7 II-8 III-1 III-1-1 III-1-1 III-1-2 III-1-4	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First)	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only IDE, Shinsuke c/o Intellectual Property Dept., JFE
II-1 II-2 II-4 II-5 III-6 II-7 II-8 III-1 III-1-1 III-1-1 III-1-2 III-1-4	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First)	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only IDE, Shinsuke c/o Intellectual Property Dept., JFE STEEL CORPORATION,
-1	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First)	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only IDE, Shinsuke c/o Intellectual Property Dept., JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome,
-1	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First)	producing the material applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only IDE, Shinsuke c/o Intellectual Property Dept., JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011
II-1 II-2 II-4 II-5 III-6 II-7 II-8 II-9 III-1 III-1-1 III-1-1	This person is: Applicant for Name Address: State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First)	applicant only all designated States except US JFE STEEL CORPORATION 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo 100-0011 Japan JP JP 81-3-3597-3440 81-3-3597-3445 applicant and inventor US only IDE, Shinsuke c/o Intellectual Property Dept., JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome,

PCT REQUEST

III-2	Applicant and/or inventor	
111-2-1	This person is:	applicant and inventor
111-2-2	Applicant for	US only
111-2-4	Name (LAST, First)	ISHIKAWA, Shin
III-2 - 5	Address:	c/o Intellectual Property Dept., JFE
	·	STEEL CORPORATION,
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	-	Chiyoda-ku, Tokyo 100-0011
		Japan
III-2-6	State of nationality	JP
III-2 - 7	State of residence	JP
111-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	TAKAO, Kenji
III-3-5	Address:	c/o Intellectual Property Dept., JFE
		STEEL CORPORATION,
		2-3, Uchisaiwai-cho 2-chome,
		Chiyoda-ku, Tokyo 100-0011
		Japan
III-3-6	State of nationality	JP
111-3-7	State of residence	JP
111-4	Applicant and/or inventor	
111-4-1	This person is:	applicant and inventor
111-4-2	Applicant for	US only
111-4-4	Name (LAST, First)	FURUKIMI, Osamu
III-4-5	Address:	c/o Intellectual Property Dept., JFE
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		Chiyoda-ku, Tokyo 100-0011
		Japan
III-4-6	State of nationality	JP
111-4-7	State of residence	JP
III-5	Applicant and/or inventor	
III-5-1	This person is:	applicant and inventor
III-5 -2	Applicant for	US only
III-5- 4	Name (LAST, First)	FUKUDA, Kunio
III-5-5	Address:	c/o Intellectual Property Dept., JFE
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		2-3, Uchisaiwai-cho 2-chome,
		Chirodo-les Makes 100-0011
	·	Chiyoda-ku, Tokyo 100-0011
		Japan
III-5-6 III-5-7	State of nationality State of residence	

lii-6	Applicant and/or inventor	
III-6-1	This person is:	
	Applicant for	applicant and inventor
III-6-2		US only
III-6-4	Name (LAST, First)	MIYAZAKI, Atsushi
III-6-5	Address:	c/o Intellectual Property Dept., JFE
		STEEL CORPORATION,
	(Y)	2-3, Uchisaiwai-cho 2-chome,
		Chiyoda-ku, Tokyo 100-0011
	0.54.5	Japan
III-6-6	State of nationality	JP
III- 6- 7	State of residence	JP
IV-1	Agent or common representative; or address for correspondence	
	The person identified below is	agent
•	hereby/has been appointed to act on behalf of the applicant(s) before the	
	competent International Authorities as:	* * * * * * * * * * * * * * * * * * *
IV-1-1	Name (LAST, First)	OCHIAI, Kenichiro
IV-1-2	Address:	c/o Intellectual Property Dept., JFE
		STEEL CORPORATION,
	141	2-3, Uchisaiwai-cho 2-chome,
		Chiyoda-ku, Tokyo 100-0011
		Japan
IV-1-3	Telephone No.	03-3597-3440
IV-1-4	Facsimile No.	03-3597-3445
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment,	EP: AT BE BG CH&LI CY CZ DE DK EE ES FI
	if any, are specified between	FR GB GR HU IE IT LU MC NL PT RO SE SI
	parentheses after the designation(s) concerned)	SK TR and any other State which is a
		Contracting State of the European Patent
V-2	National Patent	Convention and of the PCT
V-2	(other kinds of protection or treatment,	CA KR US
	if any, are specified between parentheses after the designation(s)	
	concerned)	
V-5	Precautionary Designation Statement	
•	In addition to the designations made under items V-1, V-2 and V-3, the	Δ.
	applicant also makes under Rule 4.9(b)	•
	all designations which would be permitted under the PCT except any	
	designation(s) of the State(s) indicated	ψ.
	under item V-6 below. The applicant declares that those additional	
•	designations are subject to confirmation	
	and that any designation which is not confirmed before the expiration of 15	
·	months from the priority date is to be	
	regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary	NONE
	designations	

PCT REQUEST

VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	09 August 2002 (09.0	8.2002)
VI-1-2	Number	2002-232367	
VI-1-3	Country	JP	
VI-2	Priority document request		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	Japan Patent Office	(JPO) (ISA/JP)
VIII ·	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	_	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	1	-
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	·
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty		, 0

VIII-3-1	Declaration: Entitlement to claim priority Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):	in relation to this international application
	Name:	JFE STEEL CORPORATION
		is entitled to claim priority of earlier application No. 2002-232367 by virtue of the following:
VIII-3-1		the applicant's name changed from
(viii)		KAWASAKI STEEL CORPORATION to JFE STEEL CORPORATION on 01 April 2003 (01.04.2003)
VIII-3-1 (ix)	This declaration is made for the purposes of:	all designations

IX	Check list	number of sheets	electronic file(s) attached		
IX-1	Request (including declaration sheets)	6 -			
IX-2	Description	24 -			
IX-3	Claims	4	-		
IX-4	Abstract	1	EZABST00.TXT		
IX-5	Drawings	2			
1X-7	TOTAL	37			
	Accompanying Items	paper document(s) attached	electronic file(s) attached		
IX-8	Fee calculation sheet	✓	-		
IX-9	Original separate power of attorney		-		
IX-17	PCT-EASY diskette	_	Diskette		
IX-19	Figure of the drawings which should accompany the abstract				
IX-20	Language of filing of the international application	Japanese			
X-1	Signature of applicant, agent or common representative				
X-1-1	Name (LAST, First)	OCHIAI, Kenichiro			

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10-1	Date of actual receipt of the purported international application			***************************************	ŧ	
10-2	Drawings:			 •	W	
10-2-1	Received					:
10-2-2	Not received		•		• .	•
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application					
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)				. *	•
10-5	International Searching Authority	ISA/JP				
10-6	Transmittal of search copy delayed until search fee is paid					

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11-1	Date of receipt of the record copy by		
	the International Bureau		